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Description and Picture of the WalkAide System

WalkAide is a neuro-prosthetics device that channels functional electrical stimulation to the leg and foot in order to restore typical nerve-to-muscle signals. During the swing phase of walking, the WalkAide electrically stimulates the appropriate muscles that cause ankle dorsiflexion, effectively lifting the foot at the appropriate time. WalkAide is among the most celebrated and highly regarded neuro-prosthetics innovations available today because many people experience immediate and substantial improvement in their walking ability, enabling them to walk faster, further and with less effort. The improvement in the walking pattern reduces the risk of falls and leads people to become more stable and independent in their walking. Other medical benefits of FES may include prevention of muscle disuse or weakness, increased local blood flow, muscle strengthening, and maintained or increased joint range of motion.



Although WalkAide is a highly advanced medical device, it is comfortable, small and discreet, and quite easy for most individuals to use. It is a small, self-contained unit that consists of a battery-operated, single-channel electrical stimulator, attachment cuff, two electrodes, and electrode leads.

